

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630900

Luminaire Tested: GWS-SA1E-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5806.1 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

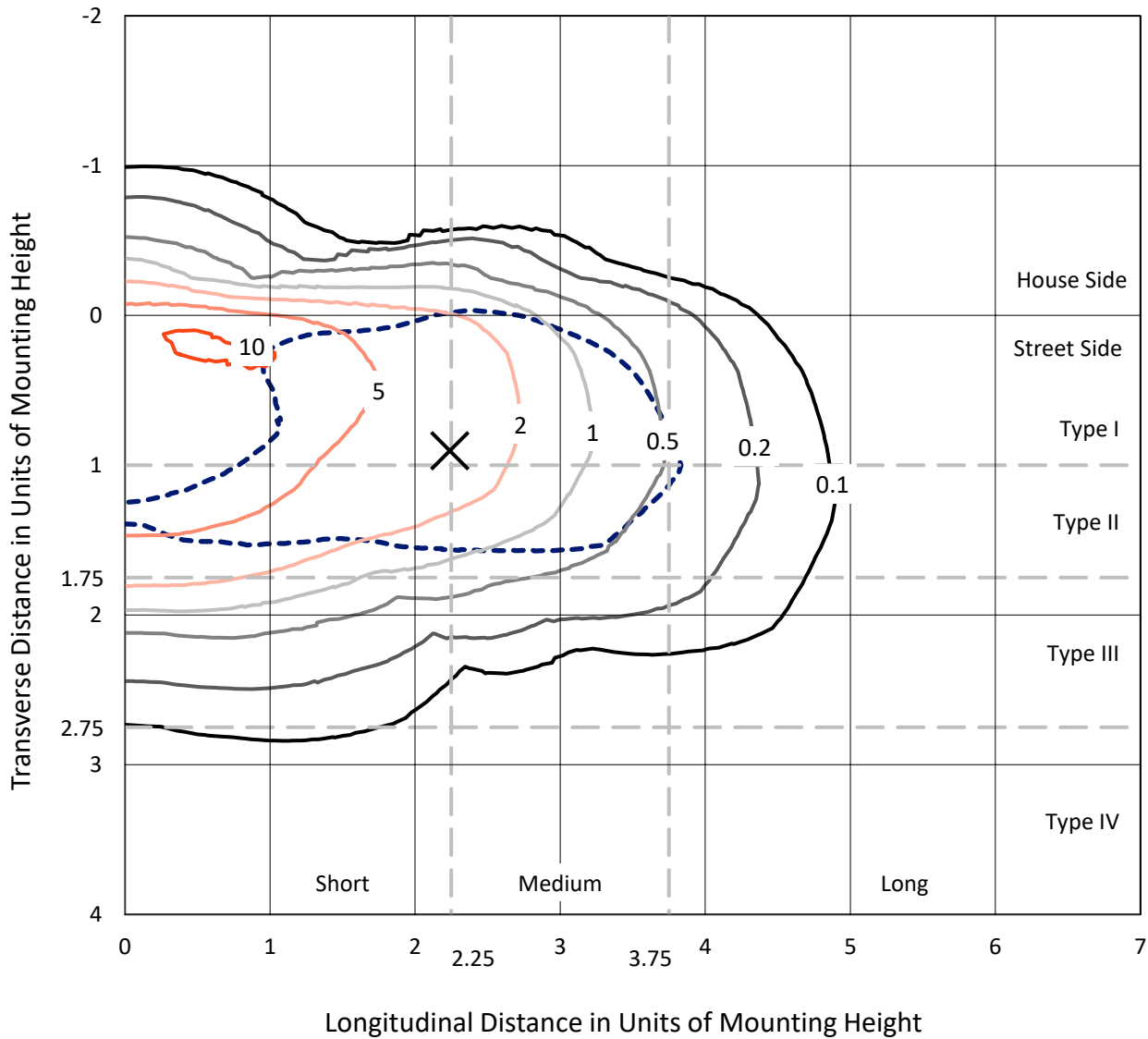
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

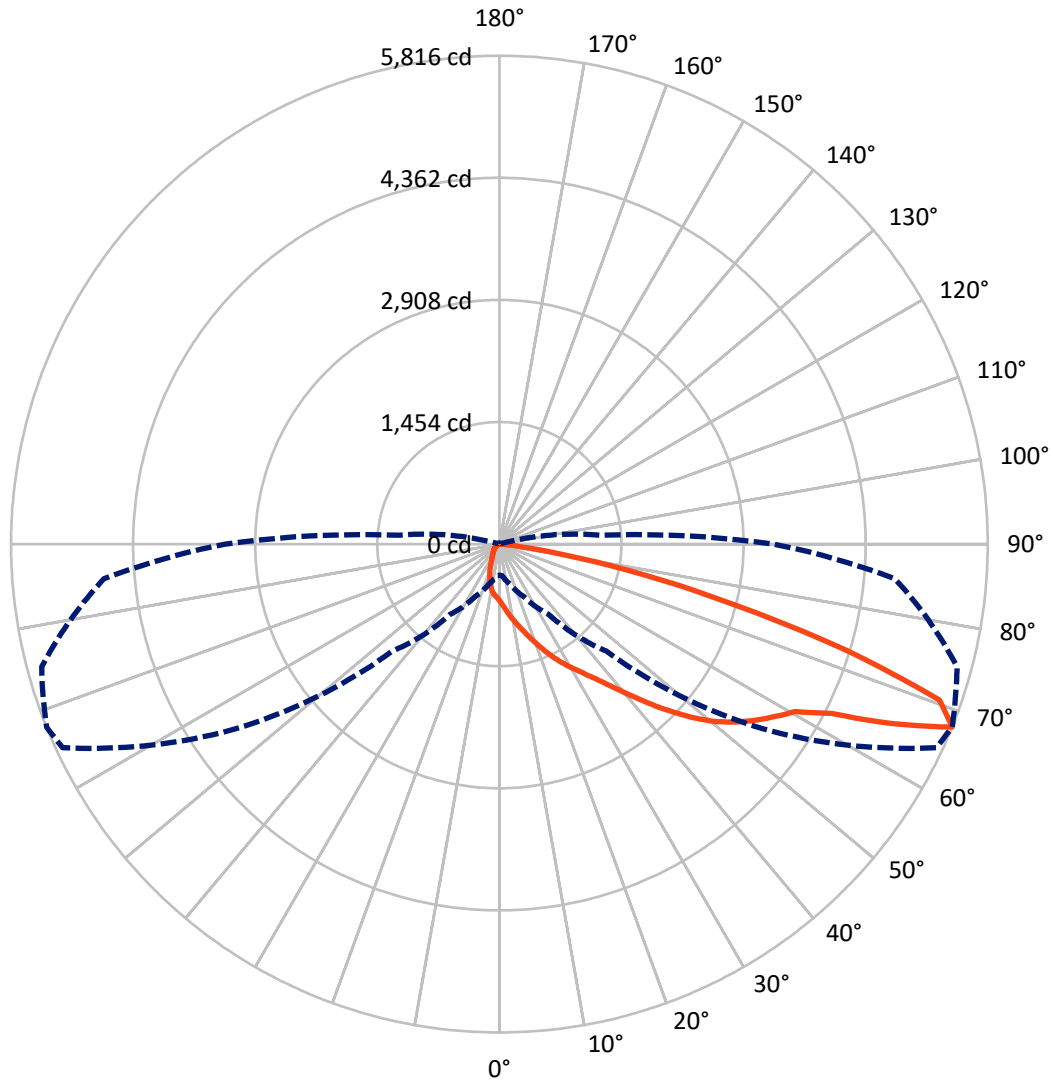
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.3	0.0	419.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5386.8	0.0	5386.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	5806.1	0.0	5806.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.1
10°-20°	189.2	3.3
20°-30°	325.2	5.6
30°-40°	565.4	9.7
40°-50°	986.6	17.0
50°-60°	1488.1	25.6
60°-70°	1492.1	25.7
70°-80°	658.3	11.3
80°-90°	35.2	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5806.1	100.0
0°-180°	5806.1	100.0

Coefficient of Utilization



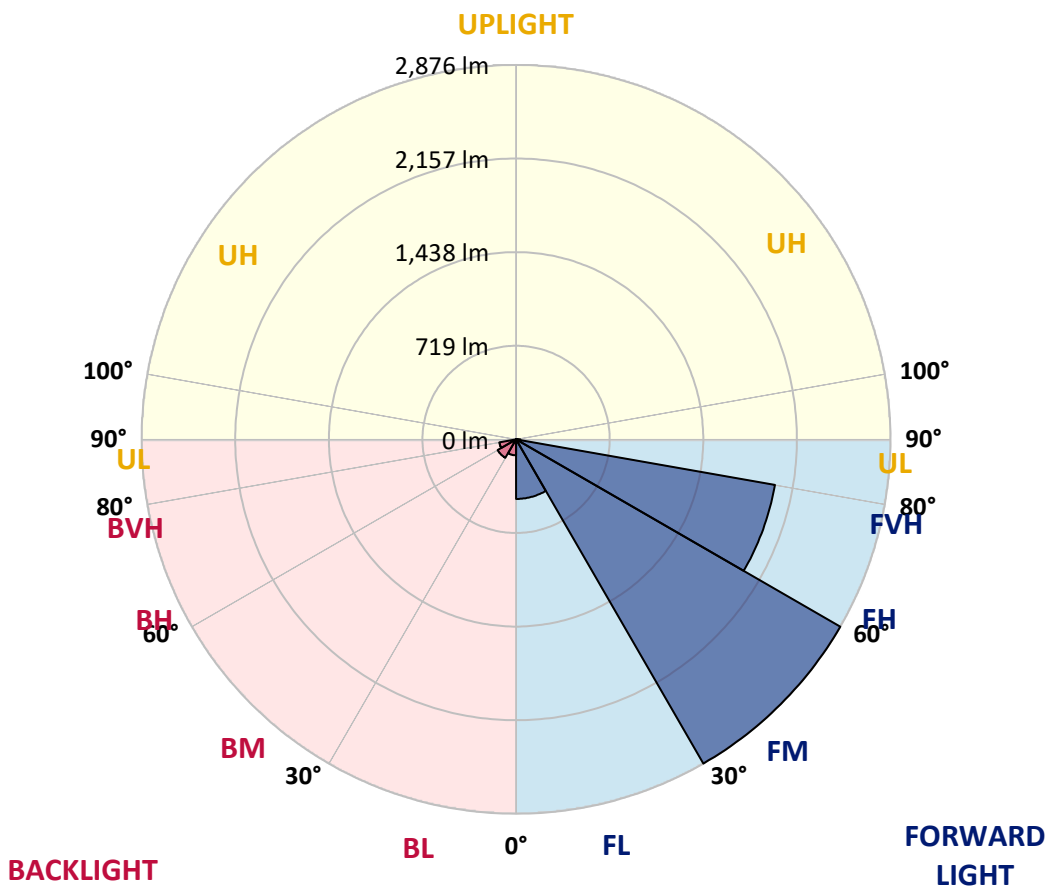
REPORT NUMBER: P630900

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	457.7	7.9			
FM (30°-60°)	2876.3	49.5			
FH (60°-80°)	2019.6	34.8			G2/5000
FVH (80°-90°)	33.2	0.6			G1/100
BL (0°-30°)	122.7	2.1	B1/500		
BM (30°-60°)	163.8	2.8	B0/220		
BH (60°-80°)	130.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7
2.5°	786.8	791.8	786.8	787.9	773.5	766.8	752.4	732.4	727.4	714.6	695.1
5°	882.9	887.4	882.4	881.3	864.6	852.4	828.5	794.0	784.0	759.0	720.7
7.5°	935.2	938.0	939.6	942.4	936.3	926.3	904.6	861.8	851.3	810.7	756.8
10°	940.7	943.0	951.3	968.0	980.2	986.3	974.1	934.6	918.0	878.5	801.3
12.5°	925.2	928.5	941.8	969.6	1003.5	1034.6	1042.4	1008.0	993.0	942.4	853.5
15°	904.6	907.4	925.7	963.5	1014.6	1071.9	1104.1	1089.1	1072.4	1019.6	911.3
17.5°	872.9	876.8	902.4	953.5	1019.6	1101.3	1170.8	1175.8	1164.1	1106.9	975.2
20°	855.2	857.9	880.7	933.5	1016.3	1123.0	1233.0	1280.2	1267.5	1207.4	1048.5
22.5°	870.2	872.4	887.4	928.5	1005.2	1135.2	1290.8	1384.7	1377.5	1315.2	1125.8
25°	949.1	956.3	947.4	954.6	1010.2	1141.9	1337.5	1489.2	1490.8	1428.0	1205.8
27.5°	1109.1	1099.7	1078.5	1042.4	1049.1	1159.7	1377.5	1587.5	1602.0	1538.1	1276.9
30°	1271.9	1266.3	1253.6	1197.4	1150.8	1199.1	1411.4	1688.1	1710.9	1646.4	1340.3
32.5°	1454.7	1460.3	1437.5	1370.3	1290.8	1279.1	1446.4	1783.7	1826.5	1769.2	1414.7
35°	1673.1	1674.8	1629.8	1555.3	1465.3	1411.4	1509.2	1889.2	1968.1	1925.9	1514.2
37.5°	1885.9	1895.9	1871.5	1754.2	1674.2	1575.9	1613.1	2024.8	2136.0	2119.3	1639.2
40°	2074.3	2089.8	2082.1	1968.7	1863.7	1780.9	1774.2	2183.7	2338.8	2357.7	1804.2
42.5°	2224.3	2234.3	2240.4	2159.8	2067.1	2020.4	1973.1	2368.2	2578.3	2655.5	2006.5
45°	2382.7	2386.0	2398.8	2344.3	2263.2	2267.1	2208.2	2592.2	2830.5	2985.6	2238.8
47.5°	2584.4	2595.5	2589.4	2532.1	2458.8	2502.7	2451.0	2822.8	3079.5	3337.8	2476.6
50°	2830.0	2841.6	2836.1	2769.4	2687.7	2706.1	2673.8	3046.7	3319.5	3670.1	2674.4
52.5°	2956.7	2966.1	3035.0	3065.0	3022.2	2905.5	2863.9	3292.8	3522.3	3943.5	2856.1
55°	2895.5	2902.2	3052.2	3178.9	3335.6	3218.9	3055.0	3482.9	3701.3	4156.9	2991.1
57.5°	2642.2	2678.3	2882.2	3096.7	3426.2	3528.4	3365.1	3689.6	3873.5	4305.3	3123.9
60°	2122.6	2121.0	2413.2	2798.3	3249.5	3613.5	3802.9	3969.1	4046.3	4419.2	3301.7
62.5°	1173.0	1183.6	1572.5	2079.8	2758.3	3393.4	4131.3	4451.9	4440.3	4618.1	3580.1
65°	584.0	605.1	816.3	1191.3	1835.3	2804.4	4188.0	5188.8	5155.4	5086.5	4155.2
67.5°	370.6	379.0	495.6	692.4	1020.2	1802.6	3835.2	5738.3	5815.5	5642.2	4725.9
70°	240.0	253.9	344.5	473.4	615.7	929.1	2809.4	5382.1	5559.4	5581.0	4370.3
72.5°	130.6	140.6	220.0	337.8	444.5	464.5	1578.1	4039.1	4324.1	4734.2	3419.0
75°	74.5	81.7	120.6	229.5	326.2	282.8	699.6	2703.8	2885.5	3383.4	2449.9
77.5°	45.0	51.1	67.8	111.7	204.5	188.9	264.5	1645.9	1761.4	2018.7	1285.8
80°	20.6	24.4	42.8	61.7	111.7	89.5	101.1	767.4	792.4	828.5	425.6
82.5°	9.4	11.1	19.4	36.7	63.3	51.7	38.9	177.3	249.5	236.2	108.4
85°	1.1	1.1	7.2	15.0	17.8	13.3	16.1	40.0	50.6	71.1	31.1
87.5°	0.0	0.0	0.6	0.6	1.1	1.7	3.3	5.0	7.2	11.7	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7
2.5°	686.2	670.7	656.8	636.2	622.3	606.8	596.2	583.4	578.4	574.6	569.0
5°	701.8	676.8	642.9	605.1	574.0	544.5	517.3	499.5	484.0	481.8	474.0
7.5°	727.4	690.1	632.9	571.2	518.4	469.5	431.2	400.1	384.5	379.5	370.6
10°	761.3	710.1	617.9	523.4	447.3	389.0	345.6	310.6	286.2	277.3	270.6
12.5°	799.0	728.5	594.0	464.5	377.8	311.2	256.2	218.9	203.4	197.8	192.8
15°	842.4	745.7	556.2	405.6	310.1	228.9	190.0	173.9	167.3	165.6	163.9
17.5°	884.1	756.8	511.2	344.5	238.4	177.8	159.5	153.4	151.7	150.0	148.9
20°	931.3	764.6	458.4	286.7	185.0	150.6	141.7	137.2	133.9	130.6	130.0
22.5°	979.6	764.6	401.2	230.0	155.0	135.0	125.0	116.7	110.6	107.2	106.1
25°	1025.7	754.0	344.5	183.9	136.7	120.0	107.2	97.8	89.5	85.6	84.5
27.5°	1058.5	726.8	295.1	155.6	123.9	106.7	91.1	80.6	73.9	70.0	69.5
30°	1079.1	686.2	249.5	138.9	112.8	92.8	77.2	68.3	63.3	60.6	59.5
32.5°	1094.6	636.2	208.9	127.2	102.2	80.6	67.2	60.0	55.6	53.3	52.8
35°	1125.8	589.0	178.9	116.7	91.1	70.6	58.9	53.3	50.0	47.2	46.7
37.5°	1169.1	549.5	155.0	107.2	80.6	62.8	53.3	48.3	45.6	42.8	42.2
40°	1233.0	524.5	137.2	97.8	71.1	56.7	48.9	44.5	40.6	37.8	37.2
42.5°	1331.4	512.9	125.6	88.3	62.8	51.1	45.0	39.5	35.6	32.8	32.2
45°	1448.6	519.0	115.6	78.9	57.2	47.2	40.0	34.5	30.6	27.8	27.2
47.5°	1574.2	540.7	107.2	70.0	51.7	43.3	35.6	29.4	26.1	23.3	22.8
50°	1705.3	576.2	100.0	61.7	47.2	38.9	30.6	25.6	22.2	20.0	19.4
52.5°	1819.2	624.6	92.8	55.6	43.3	34.5	26.7	22.2	18.9	16.7	16.1
55°	1928.1	670.1	87.2	50.0	38.9	30.0	23.3	18.9	16.1	13.9	13.3
57.5°	2046.5	718.5	80.6	45.0	35.0	26.7	20.6	16.1	13.9	11.7	11.1
60°	2218.7	790.1	70.6	41.1	30.6	23.3	17.8	14.4	12.2	9.4	8.9
62.5°	2467.1	920.7	59.5	35.6	26.1	20.0	15.0	12.2	10.0	7.8	6.7
65°	2931.7	1143.0	48.9	29.4	21.1	16.7	12.8	10.0	7.8	5.6	5.0
67.5°	3266.2	1200.8	39.5	23.9	17.2	12.8	10.6	7.8	5.6	3.9	3.3
70°	2855.5	862.4	30.6	19.4	14.4	10.0	8.3	6.1	3.9	2.8	2.2
72.5°	2151.5	563.4	22.8	15.0	11.1	8.3	6.1	5.0	3.3	2.2	1.7
75°	1516.4	325.6	16.7	11.1	7.8	6.1	5.0	3.9	2.8	1.7	1.7
77.5°	777.4	134.5	11.7	7.8	5.6	3.9	3.3	2.2	2.2	1.7	1.1
80°	236.2	44.5	6.7	5.0	3.9	2.8	1.7	1.7	1.7	1.1	0.6
82.5°	53.9	14.4	3.9	3.9	2.8	2.2	1.7	0.6	0.6	0.0	0.0
85°	13.9	4.4	3.3	2.8	2.8	2.2	1.1	0.6	0.0	0.0	0.0
87.5°	5.0	2.8	2.8	2.8	2.2	1.7	1.1	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)